



FRIDAY, 1 APRIL 2011
PETTENGILL HALL ~ SCHAEFFER THEATRE
OLIN ARTS CENTER
BATES COLLEGE

The Mount David Summit

The Mount David Summit is an annual celebration of student research, artistic work, and community-based scholarship at Bates College. Each year students from all classes present their work to each other and to faculty, staff, families, and community members in a symposium at the end of the winter semester. The Summit spotlights the rich and varied academic activities of Bates students across the disciplines, and honors the vibrant intellectual life of the College.

Named for the landmark "mountain" on the campus, the Summit is guided by the motto of the College
—*Amore ac Studio*—
loosely translated, With Love and Zeal, With Ardor and Devotion—
devotion to scholarship, creativity,
and the life of the mind.

The Mount David Summit is sponsored by the Office of the Dean of the Faculty.
We are grateful to Ralph T. Perry '51 and Mary Louise Seldenfleuer,
who have been generous and devoted supporters of the Summit since its first year.

~ ABOUT THE 2011 MOUNT DAVID SUMMIT ~

The 2011 Mount David Summit, held on April 1, is organized into four sessions: three in the afternoon and one in the evening. Several concurrent events are scheduled during each of the afternoon sessions. All afternoon events take place in Pettengill Hall. This program includes a detailed schedule; presentation abstracts are available in a separate booklet.

In Session I (beginning at 1:45 PM), a poster session takes place, featuring research posters on a range of disciplines including African studies, biology, biochemistry, chemistry, geology, and physics. Short talks and panel discussions focus on museum internships and current thesis research in geology, mathematics, neuroscience, sociology, and women and gender studies. Also scheduled are a panel on Russian poetry with readings and analytical commentary, and a roundtable discussion on public scholarship.

Session II (beginning at 3:15 PM), features a poster session with research posters in African studies, biology, mathematics, neuroscience, psychology, and environmental studies and geology, as well as talks and panel discussions on thesis research in history and Latin American studies. There will be a reading by poets and fiction writers, a screening of two student documentaries, a discussion of a new text database for teaching and learning German, and a panel on conducting research while studying abroad.

In Session III (beginning at 4:45 PM), a poster session will feature research and course-based posters focusing on African studies, chemistry, social sciences, and the many applications of global positioning systems. Session III talks include thesis research in anthropology, biology, biochemistry, chemistry, and politics. There will be a reading by students of lyric poetry, and a panel discussion on the impact of social media on study-abroad experiences.

In the evening session, the Modern Dance Company will present its spring concert of student works at 7:30 PM in Schaeffer Theatre. The College Choir and Orchestra will perform Haydn at 8:00 PM in the Olin Concert Hall.

Visitors to the Summit are encouraged to talk with students and ask them challenging questions. We invite you to move among events during each session, but we respectfully request that you do not leave a program while a student is speaking.

MOUNT DAVID SUMMIT
A Celebration of Student Academic Achievement
SCHEDULE OF EVENTS
Friday, April 1, 2011

1:30 -1:45 PM
Perry Atrium

Call to the Summit

The Bates Gamelan Degung Orchestra, Gina Fatone, Music, director

Selection from *Madenda Sari* (Nano S., 1990)

Edmund Antell '11, Edward Sturtevant '11, Maura Maloney '13, and Anna Gerngross '13

Welcome

Elaine Tuttle Hansen, President

Jill N. Reich, Dean of the Faculty

Pettengill Hall

11th Annual Barlow Off-Campus Study Photography Exhibition

Pettengill G4

Photo Exhibition: *South of the Clouds: Bates Fall Semester Abroad in China and Vietnam*

Concurrent Session I

1:45 – 3:00 PM
Perry Atrium

Poster Session I: General Session

Presenters from African studies, biology, biochemistry, chemistry, environmental studies, geology, neuroscience, physics, and psychology

Pettengill 257

Recent Research In Women and Gender Studies

Anna Abelson '11: Something More than Whore

Afroz Baig '11: The Zina Ordinances and Women's Citizenship in Pakistan

Erin Bourgault '11: Herbal Medicine, Vertical Births, and Placenta Rituals: The *Interculturalidad* of Birthing in the Andes of Peru

Catherine Lary '11: Perceptions of Women and Gender Studies at Bates and Beyond

Lindsay Reuter '11: Tracing the Transmission of Māori Fire *Poi*: a Study in the Appropriation and Commodification of an Indigenous Movement Pattern

Moderator: Rebecca Herzig, Women and Gender Studies

Pettengill 116

Gray Matters: Research in Neuroscience

Katelyn Gilardi '11: Orbitofrontal Cortex Gray Matter Correlates of Trait Emotional Intelligence

Anzela Niraula '11: Acute and Chronic Doses of Nicotine Increase Impulsive Responding in Rats

Moderator: John Kelsey, Psychology and Neuroscience

Pettengill 162

Bates Students Interns in Museums on Campus and Off

Gina Crotty '11, Julia Foxworth '13, and Samantha Rothberg '13

Moderator: Rebecca Corrie, Art and Visual Culture

1:45 – 3:00 PM
Pettengill G21

World Café of Public Scholarship: A Poster and Discussion Session

Tracy Glazier '11, Chelsea Pennucci '11, Hannah Porst '11, Megan Schleck '11, Kara Western '11, and Rosalie Winslow '11

Moderator: Georgia Nigro, Psychology and Harvard Center for Community Partnerships

Pettengill G52

Mathematical and Scientific Approaches to Research Questions

Amrita Roy '11: Mathematical Modeling of Classical Ballet

Arjada Bardhi '12: Changing the Game: A Game-Theoretic Approach to the Role of Microfinance in the Postwar Dynamics of Mitrovica, Kosovo

Keegan Runnals '11: The Vogar Fissure Swarm, Reykjanes Peninsula, Iceland: Aseismic Kinematics of an Oblique Rift Zone

Moderator: Bonnie Shulman, Mathematics

Pettengill G63

The Sights, Sounds, and Sense of Russian Poetry

Nora Murray '12 and Andrew Wilcox '11

Moderator: Dennis Browne, Russian

Pettengill G65

Thesis Research In Sociology

Drew Gallagher '11: The Burden of Caregiving

Micaela Holland '11: The Fear of Crime in Durban, South Africa: A Qualitative Study

Hannah Mack '11: Dravidam and Eelam: Collective Action Framing and the Differing Success of Two Tamil Nationalist Movements

Zoey Wortmann '11: I'll Be the Princess, You Be the Knight: A Study of the Social Construction of Gender in a Preschool Classroom

Moderator: Francesco Duina, Sociology

3:15 – 4:30 PM
Perry Atrium

Poster Session II: General Session

Presenters from African studies, biology, biochemistry, economics, environmental studies, geology, mathematics, neuroscience, psychology, and sociology

Pettengill 257

The Thesis in Creative Writing: A Reading by Senior Writers

Bridget Brewer '11, Zoe Donaldson '11, Matthew Gordon '11, Hallie Herz '11, and Dava Wool '11

Moderator: Robert Farnsworth, English

Pettengill 116

Study Abroad/Scholarship Abroad: Research during Off-Campus Study

Rebecca Andersen '12: Perspectives on Climate Change on Water Resources in Bolivia

Meghan Fahey '11: Environmental Education: Interdisciplinary Approaches from Abroad and at Bates

Molly Mylius '11: Crunch Time: An Assessment of Wild and Domestic Grazers in the Engaruka Wildlife Corridor

Monica Rodriguez '12: Is Western Beauty Popular among Urban Younger Women?

Moderator: Stephen Sawyer, Office of Off-Campus Study

3:15 – 4:30 PM
Pettengill 162

Film as Scholarship: Two Documentaries

Allegra Scharff '11: *College and Community*

Alisa Hamilton '11: *Suivre la mode: Agency and Performance in Teenage Girls' Dress in Urban Senegal*

Moderator: Jane Costlow, Environmental Studies

Pettengill G52

Research in History from Ancient Rome to Contemporary Japan

Andrew Beck '11: In the Shadow of Defeat: Tactical Transformation during the Second Punic War

Paul Lombardi '11: The Slave Conspiracy of 1741 and Race Relations in Colonial New York City

Eliza Kano-Bower '11: The Causes, Laws, and Effects of the Third Wave of Japanese Legal Reform

Moderator: Joseph Hall, History

Pettengill G63

Texts and Context in Modern Language: The Colby-Bates Database for Reading Resources in German

Kedar Kurpad '13 and Adrian Morales '11

Moderator: Craig Decker, German

Pettengill G65

Contemporary Issues of Social Justice in Latin America

Limor Finkel '11: Mafalda, the Wise Child: Representation of the Argentina of the 1960s and 1970s in a Comic Strip

Morgan Kapinos '11: *El Otro: Immigration, Xenophobia, and Soccer Leagues in Argentina*

Emma Posner '11: Opportunities and Constraints of Formal and Non-Formal Education in the Peruvian Amazon: Women's Perspectives on Local Concerns

Andrew Wood '11: A Local-Global Movement: Anti-Mining Activism in Intag, Ecuador

Moderator: Claudia Aburto Guzmán, Spanish

4:45 – 6:00 PM
Pettengill Perry Atrium

Poster Session III: General Session

Presenters from African studies, biology, biochemistry, chemistry, English, environmental studies, geology, mathematics, politics, and psychology

Pettengill 257

Image and Sound: Reading and Writing Lyric Poetry

Brendan Davidson '14, Sonja Favaloro '14, Alexis Martinetti '14, Nawshaba Nawreen '11, and Kaitlin Webber '11

Moderator: Lavina Dhingra, English

Pettengill 116

Connectivity Abroad: Are Cell Phones, Twitter, Facebook and Skype Diminishing the Study Abroad Experience?

Nora Brouder '12, Josalynne Cottery '12, Segundo Guerrero '12, and Matthew Lipoff '12

Moderator: David Das, Office of Off-Campus Study

4:45 – 6:00 PM
Pettengill 162

Identity and Transformation: Thesis Research in Anthropology

Deborah Altman '11: Under the Protection of Baba: Spirit Possession, Religious Healing, and Women's Empowerment in a South Indian Dargah

Hannah Arenstam '11: Representations of Australian National Identity in the Immigration Museum of Victoria

Julia Murphy '11: Encounters with HIV-AIDS Stigma at Eshowe Hospital in KwaZulu-Natal, South Africa

Moderator: Heather Lindkvist, Anthropology

Pettengill G52

Political Challenges in the Mediterranean

David Beck '11: Ethnic Outbidding in the Mediterranean and Violence in Cyprus, 1964

Jennifer Diefendorf '11: Taking Back Sicily: The Antimafia Movement and Its Counter-Hegemonic Attack on Cosa Nostra

Moderator: James Richter, Politics

Pettengill G65

Scientific Research and Science Communication: New Work in Biology and Chemistry

Thao Nguyen '11: Role of Ubch5 Isozymes in EMCV and HAV 3C Protease Ubiquitylation

Kaitlin Wellens '11: Colony Formation and Nest Preference in Galapagos Blue Footed Boobies (*Sula nebouxii*)

Kaitlyn McEnroe '11: Prenatal Health for Somali Women

Sarah Charley '11: Bates Molecular Science Journal

Moderator: Donald Dearborn, Biology

Evening Sessions

7:30 PM
Schaeffer Theatre

Bates College Modern Dance Company Spring Concert of Student Work

Rachel Boggia, Dance

Also presented Saturday, 2 April, at 5:00 PM; Sunday, 3 April, at 2:00 PM; and Monday, 4 April, at 7:30 PM

\$6 general admission; \$3 Bates faculty and staff, senior citizens, and non-Bates students; free for Bates students

8:00 PM
Olin Concert Hall

Bates College Choir Concert: *Te Deum* and the *Lord Nelson* Mass, Franz Joseph Haydn (1732-1809)

John Corrie, Music

Also presented Saturday, 2 April, at 8:00 PM

Free to all, though tickets are required (olinarts@bates.edu or 207-786-6135)

Mount David Summit Poster Presenters

Note: The number following each title indicates the location of the poster in the session

1:30 - 3:00 PM	Poster Session I	Board #
Hunter Archibald '12	Terminal Velocity: The Physics of Skydiving	(31)
Elizabeth Arens '13	Identity and the Creation of a Nation: Perceptions of the Vote among Sudanese "Lost Boys"	(39)
Elisabeth Baird '14	Partners in Health's Local Strategies for Combating Malnutrition in Rwanda	(40)
Clyde Bango '11	HIV-1 Protease Mutations Leading to HIV/AIDS Drug Resistance	(16)
Caroline Barr '11	The Effect of Cranberry Juice on the Biofilm Formation of Canine Uropathogenic Bacteria	(8)
Andrew Bernard '11	Interannual Growth Rate Variation in the Soft-Shell Clam, <i>Mya arenaria</i> , and Its Relationship to Temperature Differences at Maquoit Bay, ME	(36)
Hally Bert '14	Identity and the Creation of a Nation: Perceptions of the Vote among Sudanese "Lost Boys"	(39)
Eve Boonseng '11	Comparing Antibiotic Resistance among Clinical Isolates of <i>Staphylococcus saprophyticus</i> with the Effect of Cranberry (<i>Vaccinium macrocarpon</i>) on Growth	(9)
Kathleen Boyland '11	Alternative Sigma Factors Regulate the Expression of Virulence Genes in Response to Particular Stimuli	(21)
Alice Caffrey '11	Mutational Studies of RpoS and Translational Initiation in <i>Borrelia burgdorferi</i>	(22)
Rachel Carlson '11	Purification and Characterization of Metallothionein-3: A Possible Target for Lead	(24)
Patrick Carroll '11	Biomimetic Inhibition of <i>Staphylococcal</i> Biofilms	(10)
Samuel Cory '11	The in vitro Effects of Hyperbaric Hyperoxia on Chronic Wound Biofilms	(1)
Amy DeStefanis '11	Risk Factors for the Carriage of <i>Staph. aureus</i> in the Student Population	(2)
Abritee Dhal '11	Mutagenesis of RSK2 to Locate Nuclear Localization Signal of RSK2	(14)
Melissa Ducommun '11	Down-Regulation of Chondroitin Sulfate Proteoglycans (CSPGs) in the Glial Scar Following Spinal Cord Injury by Lentiviral Gene Delivery	(3)
Tara Dugan '13	Partners in Health's Local Strategies for Combating Malnutrition in Rwanda	(40)
Joseph Ekpenyong '12	Our Country, Our Religion: The Africanization of Christianity	(41)
Sara El Assaad '14	Our Country, Our Religion: The Africanization of Christianity	(41)
James Epstein '13	Running Routes in Falmouth, ME	(34)
Nathaniel Funk '11	Rainbows and Refraction: The Physics and Geometry of Prisms	(30)
Sean Gemunden '14	Identity and the Creation of a Nation: Perceptions of the Vote among Sudanese "Lost Boys"	(39)
Ian Gilchrist '11	A MCD Study of the Diiron Active Site of ω -Alkane Hydroxylase (AlkB)	(25)
Douglas Goulding '11	Identity and the Creation of a Nation: Perceptions of the Vote among Sudanese "Lost Boys"	(39)
Bryan Harrison '11	Transplacental Exposure to Arsenic in Mice Alters the Expression of Diabetic Genes	(17)
Ingrid Knowles '11	A Biogeochemical Study of Ditchplug and Natural Pools in the Sprague River Marsh, Phippsburg, ME	(35)

1:30 - 3:00 PM

Margaret Krueger '12	Nutrition Program with Teenagers at the Boys and Girls Club of Lewiston/Auburn	(37)
Christopher LaBrecque '11	Biomimetic Inhibition of <i>Staphylococcal</i> Biofilms	(10)
Ryan Larsen '11	Coordination of Thiourea Ligands to Cobalt(III)	(28)
Andrea Lauden '14	Partners in Health's Local Strategies for Combating Malnutrition in Rwanda	(40)
Jackson Mesick '11	Synthesis and Kinetic Studies of Six-Coordinate Cobalt(III) Complexes Containing Sulfur- and Nitrogen-based Organic Ligands	(29)
Sabrina Minjares '12	Our Country, Our Religion: The Africanization of Christianity	(41)
Cody Newman '11	Evaluating Ruthenium Catalysts for the Hydrodeoxygenation of Fast Pyrolysis Oil	(26)
Jamie Nickerson '11	Genetics of Susceptibility to Bone Loss Related to Periodontal Disease	(5)
Sean O'Brien '11	Regulation of Global Gene Expression and Biofilm Formation in Response to Iron Limitation by <i>Aggregatibacter actinomycetemcomitans</i>	(4)
Sebastian Pedraza '11	Determining 5' Ends in RNA Transcripts in Diverse Bacteria: <i>Borrelia burgdorferi</i> and Marine <i>Synechococcus</i> CC9311	(19)
Emma Reichart '14	Partners in Health's Local Strategies for Combating Malnutrition in Rwanda	(40)
Eammon Riley '11	Ribosome Biogenesis in Diverse Prokaryotes	(20)
Vanessa Robinson '12	Combination Treatments of Targeted Drug Therapies for NF1 Null Melanomas	(15)
Diane Saunders '11	Characterizing a Nuclear Localization Signal in RSK3	(13)
Devon Stetson '11	Public Views on Vaccination	(6)
Alexandra Steverson '11	A Study of Metallothionein-3, Brain-Specific Protein, and Lead(II) Binding Affinity	(23)
Rachel Vaivoda '11	Inhibition of Adhesion and Biofilm Formation of <i>Staphylococcus saprophyticus</i> by Cranberry	(11)

3:15 - 4:30 PM**Poster Session II**

Britt Anderson '12	Risk Assessment of Seismically-Induced Landslides in the North Cascades	(37)
Edmund Antell '11	Food-Web Analysis and Growth Rates of Two Commercially Important Baitworms (<i>Glycera dibranchiata</i> and <i>Nereis virens</i>)	(8)
Chloe Bourne '11	Designing Winter Trails in Witt Swamp, Norway, ME	(38)
Diane Brackett '11	Role of Tyrosine Kinase B (TrkB) Signaling in the Regulation of Carotid Body and Petrosal Ganglion Development by Hypoxia	(15)
Katherine Brodoff '11	The Manifestation of Trait Self-Control on Social Networking Websites	(32)
Reed Brown '12	Spatial Analysis of Contributing Variables to Appalachian Hut Popularity	(39)
Jordan Conwell '12	Does Community Diversity Reduce Interpersonal Trust?	(5)
Margaret Curran '11	Two-Sided Stable Matchings: Applications to the National Resident Matching Program	(42)
Rachel DiStefano '11	The Relationship between Alexithymia and Memory	(22)
Deniz Dolcen '13	A Shelter-wood Harvest in 2006 at Range Pond State Park, Poland, ME, Resulted in the Regeneration of Mature White Pines (<i>Pinus strobus</i>) and Increased Recruitment of Seedlings	(12)

3:15 - 4:30 PM

Wesley Farnsworth '11	A Case Study of Spatial Variability in Snowpacks: Norwegian High Arctic and Presidential Range, NH	(40)
Basil Ferenczi '11	The Effect of 5-HT1A Agonists and NMDA Antagonists on Parkinson's Disease and Apomorphine-Induced Dyskinesia: The Role of Serotonergic Raphestriatal Neurons	(19)
Elliot Foster '11	HipLife Music as a Medium of Social Change among Ghanaian Youth	(6)
Elizabeth Glennon '11	Conservation Education in Uganda	(13)
Sara Godek '11	Tangier Disease: ABCA1 Mechanisms and Treatments of Reverse Cholesterol Transport	(16)
Carolynn Harris '11	Stable Isotopic Shifts in Fish Bones from Multiple Archeological Coastal Middens in Penobscot Bay, ME	(9)
Katherine Hines '11	Orthorexia Nervosa: Obsession with a Healthy Diet	(24)
Quan Ho '11	Modulation of the First Phase of Feeding Behavior of <i>Helisoma trivolvis</i> by Neuropeptide Phenylalanine (NPF) stimulation of Buccal A Cluster (BAC) Neurons	(17)
Sarah Jacobson '14	HipLife Music as a Medium of Social Change among Ghanaian Youth	(6)
Emily Jasinski '11	Predictive Validity of the Helpfulness Implicit Association Test	(27)
Elizabeth Johnston '11	Inattentive Blindness: An Examination of Featural, Phonological, and Categorical Processing	(23)
Clara Maeder '14	HipLife Music as a Medium of Social Change among Ghanaian Youth	(6)
Qasim Mahmood '13	Fighting Tax Evasion in Pakistan: A Study of IMF Tax Reforms and Improving Transparency	(2)
Marissa Maliwanag '11	Relationship between Environmental Change and Annual Growth Rates of the Soft-Shell Clam (<i>Mya arenaria</i>) in the Gulf of Maine from 4,200 Years B.P. to Present	(10)
Lauren McAllister '11	Educating the Educators: Development and Evaluation of Training Programs for Preschool Special Education Staff	(28)
Kevin McDonald '11	Influence of Service-Learning on College Student-Athletes' Identity Development: Applying the Student Development Theory of Arthur Chickering	(29)
Anna McGrath '11	The Effects of D-Cycloserine and Propanolol on Extinction of Morphine Withdrawal-Induced Conditioned Place Aversion and Stress-Induced Reinstatement	(20)
Jarret-Paul McKallagat '14	HipLife Music as a Medium of Social Change among Ghanaian Youth	(6)
Tyler Mehegan '11	D-Cycloserine Facilitates Either Extinction or Reinstatement of an Opiate-Withdrawal-Induced Conditioned Place Aversion under Different Procedural Circumstances	(21)
Sarah Moore '11	Value of Wealth and Self-Presentation as a Moderating Effect for Risky Choices	(34)
Nancy Muñoz '11	A Possible Integration Program for Bates College: Intergroup Contact Theory or Race Conversations	(36)
Noel Nguyen '11	The Effects of Post-traumatic Events on Parenting Style in Somali Women	(31)
Andrew No '14	Voiceless but Not Silent: The Independent Media's Response to Mugabe's Oppression in Zimbabwe	(7)
Ryan Novas '11	Orientation & Orientation: The Effects of Inversion on Rapid Judgments of Male Sexual Orientation	(35)
Paul Okot '11	Confidence and Witnesses' Testimony	(33)

3:15 - 4:30 PM

Anna Query '11	The Implementation of Mental Health Services at Longley Elementary School	(30)
Nicolette Robbins '11	Asexuality: Can It Be Measured?	(25)
Rebecca Ross '14	Voiceless but Not Silent: The Independent Media's Response to Mugabe's Oppression in Zimbabwe	(7)
Zachary Ross '11	Response Bias in Homeowner Surveys: Who Cares about the Penobscot River?	(1)
Anabel Schmelz '14	Voiceless but Not Silent: The Independent Media's Response to Mugabe's Oppression in Zimbabwe	(7)
Nicholas Silverson '11	Growth Patterns of the Circumpolar Green Sea Urchin, <i>Strongylocentrotus droebachiensis</i> , in a High-Arctic Fjord in Northeastern Svalbard, as a Proxy for Environmental Variability	(11)
Brian St. Thomas '11	Probabilities of RISK	(41)
Elizabeth Stadtmueller '11	Veteran PTSD CheckList-Civilian Version (PCL-C) Performance Following 5-day Acceptance and Commitment Therapy Treatment for Post-traumatic Stress Disorder: Pre- and Post-Test Differences Based on Military Era and Age	(26)
Dorian Tolis '11	Signal Transition Mechanisms Used by Glutamate to Curtail Feeding in <i>Helisoma trivolvis</i>	(18)
Eliza van Heerden '11	Cardiorespiratory Effects of Chronic Hyperoxia in Neonatal Rats	(14)
Alison Vingiano '11	Feminism and Nationalism in Displaced Tibetan Communities	(4)

4:45 - 6:00 PM**Poster Session III**

Colin Barry '12	A Look at Whitewater in Maine	(25)
Katherine Bernier '11	Synthetic Studies of Koshikalide	(4)
Thomas Bloch '11	The Self-Concept and Worldview Defense: Do Self-Concept Confusion and Mortality Salience Threaten the Same Construct?	(38)
Ashley Brooks '14	Education in Ethiopia (1889-1974): Transition to Global Thinking	(32)
Travis Brown '11	The Synthesis of Exocyclic Enol Ethers Using Sonogashira Coupling	(5)
James Burnham '12	GIS Analysis of Cell Phone and Radio Coverage in Baxter State Park, ME	(14)
Lianna Cohen '13	The Past, Present, and Future of Antibiotic Resistance: Fighting Back against Antibiotic Resistant Bacteria	(1)
Nora Collins '11	A History of the Urban Poverty in Washington DC: METRO Implementation and Changes in Geo-Socioeconomics	(27)
Katherine D'Angelo '11	Do Women in Politics Matter?: Ugandan Women's Political Activity in Regard to Reproductive Healthcare	(35)
Heather Doolittle '12	Using LiDAR Data and GIS Mapping to Create a Bedrock Map of Small Point, ME	(15)
Colin Dowey '13	Bicycle Routes, Northern Tier, Washington State	(16)
Ian Dulin '12	Analysis of the Vulnerability of Tidal Marshes and Adjacent Uplands from Sea Level Rise in Casco Bay Using a GIS Model	(18)
Emily Egan '13	Education in Ethiopia (1889-1974): Transition to Global Thinking	(32)

4:45 - 6:00 PM

Sebastian Farach Aldana '11	Code-Switching and Bilinguals	(39)
Gregory Flynn '11	Determining Potential Areas for New Ski Resorts in Southwestern Montana	(28)
Justin Giroux '11	Infrared Characterization of Trioctylphosphine Oxide (TOPO)	(10)
Hiroimi Go '11	Global Games: An Emerging Field in Game Theory	(31)
Amanda Goss '13	Mapping Historical Landslides on Bainbridge Island, WA, to Predict Future Hazards	(19)
Munroe Graham '13	Justice and the Guatemalan Civil War	(36)
Andrew Grant '13	Lake Chad: Examining the Positive Effects of a Depleting Major Fresh Water Source	(33)
David Harning '13	Alpine Zone Classification: High Peaks Region of Baxter State Park, ME	(20)
Cameron Held '14	Alpine Zone Classification: High Peaks Region of Baxter State Park, ME	(20)
Emily Howe '11	Disease in the Victorian Era	(34)
Audrey Jensen '11	Exploring Balinese Secular and Religious Consumption of Marine Turtles: A Call for Renewed Conservation	(13)
Amy Johnston '12	Geologic Area around Morse Mountain in Phippsburg, ME	(21)
Aaron Kaplan '12	How Cities Should Be Designed: Growing Questions Surrounding the Livability of the City of Ørestad, Denmark	(22)
Lundat Kassa '13	Education in Ethiopia (1889-1974): Transition to Global Thinking	(32)
Benjamin Latham '11	Mapping Backcountry Ski Terrain in Southern Maine	(23)
Joanna Mangar '11	The Radical Scavenging Activity of Phenylethanoid and Phenylpropanoid Glycosides	(2)
Elliott Morgan '11	Imaging and Spectroscopy of Chemically Bound Fluorescent Nanospheres	(8)
Matthew Moschitto '11	The Sonogashira Cross Coupling of Vinyl Triflates and Terminal Alkynes	(6)
Maura Neal '12	Lake Chad: Examining the Positive Effects of a Depleting Major Fresh Water Source	(33)
Molly Newton '11	Monitoring Sedimentation Patterns and Tidal Inlet Migration at Small Point, Seawall, and Popham Beaches, Phippsburg, ME	(30)
Claire Parker '11	Investigation of the Surface Chemistry of Cadmium Selenide Using Atomic Force Microscopy	(11)
Eliza Perry '13	Witt Swamp Trail System	(24)
Carolyn Silva-Sanchez '11	Leaving Parents Behind: An Analysis of No Child Left Behind and its Impact on Somali Parents in Lewiston, ME	(37)
Elizabeth Sonshine '12	The Outdoor Gym: Running and Exercising around Lewiston	(26)
Blaise Thompson '11	Spectroscopic Investigation of Plasmonic Nanoparticles	(9)
Sasha Villahermosa '11	Synthesis and Antioxidant Activity of Phenylethanoid Glycoside Analogs	(3)
Tyler White '13	Lake Chad: Examining the Positive Effects of a Depleting Major Fresh Water Source	(33)

South of the Clouds: Bates Fall Semester Abroad in China and Vietnam

Nora Allen '12	Lauren Farnsworth '13	Giang Nguyen '12
Rebecca Clark '12	Tian-hen Geng '13	Tyler White '13
Larisa Collins '13	Maura Maloney '13	Samuel Wood '12
Samuel Cory '11	Margaret Maurer-Fazio	Somi Yoon '12

Eleventh Annual Barlow Off-Campus Study Photography Exhibition

Anna Abelson '11	Lauren Farnsworth '13	Priscilla Motley '12
Samuel Abrahamson '11	Robert Friedman '11	Molly Mylius '11
Adam Agins '11	Segundo Guerrero '12	Daniel Naparstek '11
Karl Alexander '12	Jessica Howard '12	Samuel Polak '11
Deborah Altman '11	Benjamin Hughes '12	Emma Posner '11
Afroz Baig '11	Emily Jasinski '11	Cameron Powel '11
Caroline Barr '11	Gwynneth Johnson '12	Elizabeth Rowley '11
Andrew Bernard '11	Emily Kaldjian '12	Emily Sheehan '11
Erika Blauth '12	Allison Kamm '12	Sara Sol '11
Devon Bonney '12	Ingrid Knowles '11	Leticia Solis '13
Erin Bourgault '11	Allison Lizars '11	Alexandra Steverson '11
Duncan Briggs '12	Paul Lombardi '11	Ada Tadmor '11
Katherine Buckley '12	Hannah Mack '11	Alison Vingiano '11
Benjamin Chebot '12	Leah Maciejewski '12	Kathleen Walker '12
Rachel Colby '11	Cecily Mauran '11	Kaitlin Webber '11
Larisa Collins '13	Kaitlyn McEnroe '11	
Erin Crowley '12	Patrick McNulty '11	

Bates College Modern Dance Company

<i>Dancers</i>	Zachary Kofos '13	Lauren Christianson '12
Kathryn Ailes '14	Sheena Malik '13	Zoe Fahy '13
Alyse Bigger '12	Holly McLaughlin '13	Kristen Gavin '12
Ashley Booker '12	Danielle Morris '13	Linda Plavin
Basia Braboy '13	Julia Murphy '11	Lindsay Reuter '11
Margaret Cadden '11	Julie Naidu '13	Louise Roland '13
Bridgette Chandhoke '14	Sarah O'Loughlin '11	Katharine Straw '13
Lauren Christianson '12	Kirsten Pianka '13	
Sarah Cleary '12	Tina Pruyn '13	<i>Designers</i>
Liza Dewitt '13	Lindsay Reuter '11	Sarah Charley '11
Abritee Dhal '11	Louise Roland '13	Cherelle Connor '13
Sarah Dominique '12	Gavin Segall-Abrams '11	Timothy Fox '11
Amanda Eller '13	Tiffany So '13	Drew Gallagher '11
Zoe Fahy '13	Katherine Straw '13	Alexander Gallant '11
Yasin Fairley '12	Fiona Stuart '14	Kristen Gavin '12
Sonja Favaloro '14	Lindsay Swan '11	Megan Guynes '11
Colleen Fitzgerald '14	Jessica Washington '13	Thomas Holmberg '13
Mikayla Foster '13		Travis Jones '13
Julia Foxworth '13	<i>Choreographers</i>	Elizabeth Lee '11
Carolyn Gallmeyer '11	Kathryn Ailes '14	Gavin Segall-Abrams '11
Hilary Gibson '14	Alyse Bigger '12	Yinan Zheng '14
Katherine Hines '11	Rachel Boggia	
Yi Zheng Hwa '12	Bridgette Chandhoke '14	

Bates College Choir Winter 2011

Sopranos

Katherine Black '12
Elizabeth Danello '14
Sarah Dik '14
Kate Fetrow '13
Lea Goodman-Herrick '13
Megan Guynes '11
Emily Harrop '12
Amy Johnston '12
Abigael Merson '12
Jennifer Mitton '11
Hannah Mitchell '14
Molly Mylius '11
Thao Nguyen '11
Ingrid Norrmen-Smith '13
Danielle Scherer '11
Rachel Spence '14
Vanessa Truglio '12
Caroline Ulwick '13
Shannon Walsh '12

Altos

Katherine Bernier '11
Hanna Birkhead '11
Erin Bourgault '11
Chloe Bourne '11
Sara Chari '14
Katie Dobbins '11
Courtney Doyle '14
Eliza Kano-Bower '11
Erin Kintzing '11
Catherine Lary '11
Meredith Legg '11
Lei Lei '14
Emmelyn Leung '13
Jennelle Liljestrang '11
Lesley Mo '12
Ashley Moore '13
Katrina Orlov '13
Megan Panzer '12
Corinna Parisi '13
Emma Posner '11
Eliza Read-Brown '11
Fiona Stuart '14

Devin Tatro '14
Laura Traverse '11
Sarah Vigne '12

Tenors

Nicolas Blomberg '11
William Green '14
Kimberly Liaw '12
Swe-Htet Naing '12
Hieu Nguyen '13
Rachael Perlman '13

Basses

Bernard Arnell '13
Andrew Bernard '11
Gabriel Borland '13
Nathaniel Funk '11
Taylor Guss '14
Quan Ho '11
Nikhil Krishna '13
Felix Radford '11
Qianli Xiao '13

College Choir Orchestra

Violin

Dean Stein
Bo Ra Kim '14
Maria Rouvalis '12
Neil James
Jon Poupore

Viola

Jessica Cooper '13
Linda Vaillancourt

Violoncello

Elizabeth Johnston '11
Christina Kratzman '11
Christian Coffman

Bass

Alyson Ciechomski

Flute

Gina Crotty '11

Oboe

Hanna Birkhead '11
Marisa Mohrer '13

Clarinet

Rose Pruiksma
Devin Tatro '14

Trumpet

Jedd Countey '14
John Furman

Horn

Molly Bruzzese '13
Margery Landis

Timpani

Mark Fredericks

Upcoming Student Presentations and Performances

Winter Semester 2011

3 April

7:30 PM, Olin Concert Hall

Senior Thesis Concert: Israel Mesa '11

5 April

12:30 PM, Olin Concert Hall

Recital: Voice Students of John Corrie

6 April

4:15 PM, Olin Concert Hall

Recital: Voice Students of Bonnie Scarpelli

7:00 PM, Olin Concert Hall

The Bates College Jazz Band

7:30, Gannett Theatre

Voice and Speech Course Performance

7 April

7:00 PM, Olin Concert Hall

The Bates College Steel Pan Orchestra

8 April

6:00 - 8:00 PM, Museum of Art

Opening Reception: Senior Exhibition 2011

Exhibition runs through 28 May

7:30 PM, Olin Concert Hall

Computer Music Course Final Concert

9 April

3:00 PM, Olin Concert Hall

Recital: Piano Students of Chiharu Naruse

10 April

7:00 PM, Olin Concert Hall

Senior Thesis Concert: Benjamin Taska '11

15 April

7:30 PM, Olin Concert Hall

Senior Thesis Concert: Peter Gurney '11

Short Term 2011

25 April

10:00 AM, Pettengill 321

Senior Thesis Presentation: Hannah Richardson '11,

"Improving Utilization of the Bates Employee Assistance Program"

27 April

7:30 PM, Olin Concert Hall

Senior Thesis Concert: Alexander Koster '11

21 May

9:00 PM, Schaeffer Theatre

Robinson Players: *Alice in Wonderland*

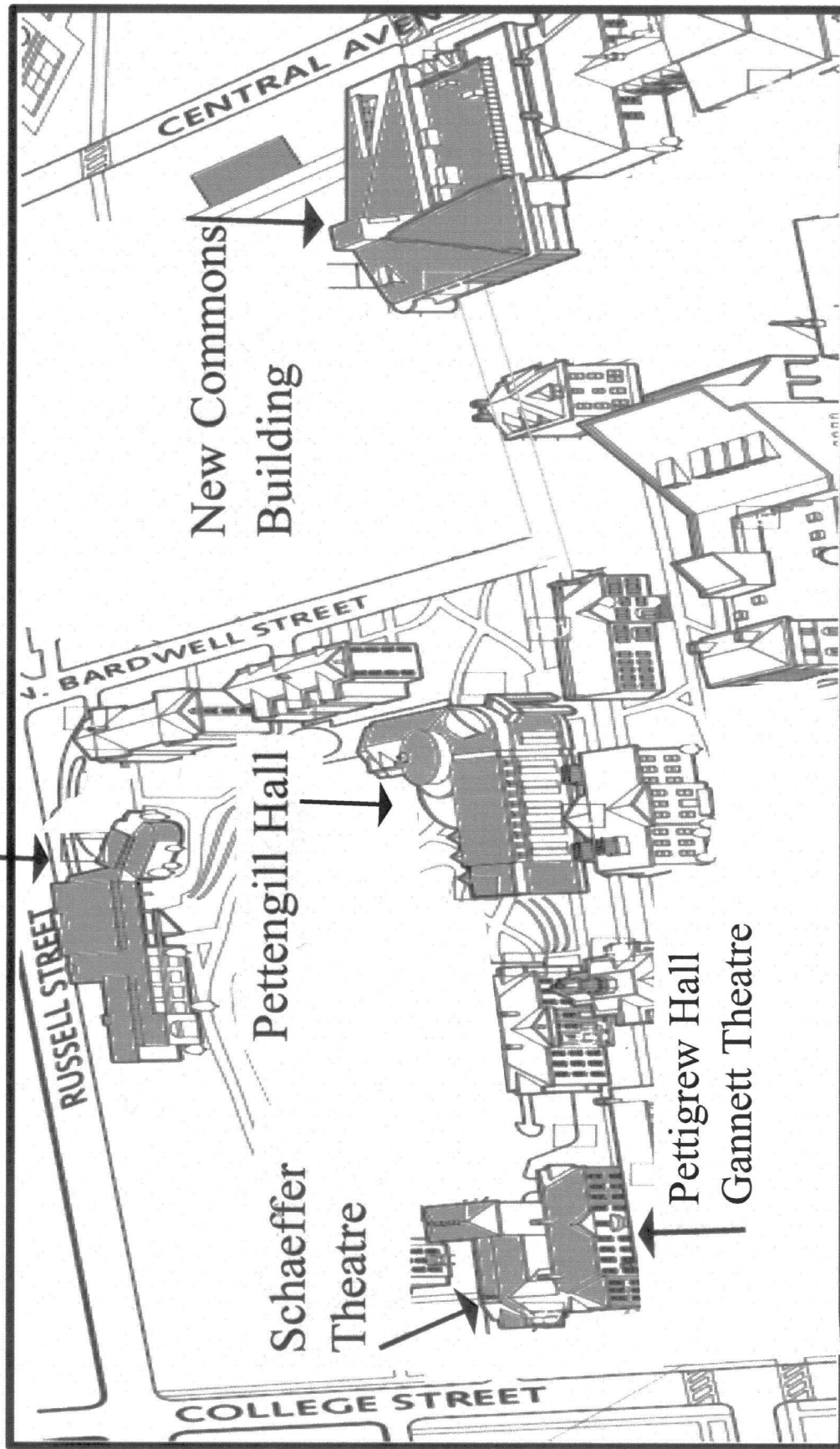
25 May

5:00 PM, Schaeffer Theatre

Short Term Dance Variety Show

Campus Map

Olin Arts Center



New Commons Building

Pettengill Hall

Schaeffer Theatre

Pettigrew Hall
Gannett Theatre